WUG2660

802.11b/g Wireless LAN USB 2.0 Module

A wireless LAN links network users to LAN services without the hassle of cabling or wiring, which significantly brings mobile workers the freedom of staying connected to the network while roaming around a building or multiple buildings maintaining access to the Internet, e-mail, networked applications, and print services.

This device is the perfect solution for your wireless network applications based on the **IEEE 802.11g** standard that offers a data rate up to **54Mbps** in a wireless LAN environment. It is a high-speed wireless network card that plugs into your system and accesses to the LAN or peer-to-peer networking easily without wires or cables. No matter where it allows you to share printers, files, and other network resources.

Features

- Compliant with IEEE802.11g standard for 2.4GHz Wireless LAN
- USB 2.0 compliant
- USB Plug & Play
- Interoperable with existing network infrastructure
- Secure information transmission
- Freedom to roam while staying connected
- Compatible with specialty wireless products and services
- Up to 54 Mbps data rate
- Low power consumption
- The module with LED indication

LED Indicator

- Green

Power Requirement

- Operating Voltage: 5V DC
- TX consumption: 350 mA (Max)
- RX consumption: 250 mA (Max)

Physical specification

- Weight:5g
- Dimension:74(L) x23(W) x 7.4(H) mm

Supported OS

- Windows 2000
- Windows XP
- Windows ME
- Windows 98SE

EMI Certification

- FCC Part 15 in US
- EN300328 and EN300826 (EN301489-17) in Europe
- Telec in Japan

SPECIFICATION

Standard	IEEE 802.11g
Host Interface	USB 2.0
Antenna Connector	HIROSE U.FL-R-SMT(10)
Frequency Range	2.412GHz ~ 2.4835GHz
Number of Selectable Channels	USA, Canada: 11 channels Europe: 13 channels Japan: 14 channels
Modulation Technique	Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK) Orthogonal frequency division multiplexing(OFDM)
Security	0/64/128 bit WEP; WPA
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Output power	11g: 13.5dBm 11b: 16.5 dBm
Data Rate	802.11g(54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps) 802.11b(11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps)
Throughput	20.3 Mbps @ 54Mbps 5.4 Mbps @ 11Mbps
Sensitivity	-70dBm@54Mbps -82dBm@11Mbps